Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

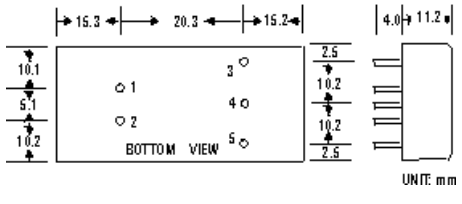
SKE10B SERIES

Jameco Part Number 217023 (SKE10B-12)

- .2:1 WIDE INPUT RANGE
- .4:1 INPUT IS AVIALABLE
- .REGULATED DC OUTPUT
- .1K VDC I/P ISOLATION
- .1K~3KVDC ISOLATION (OPTIONAL)
- .LOW PROFILE / SMALL SIZE
- .EPOXY ENCAPSULATED
- .SIX-SIDED SHIELD OF METAL CASE
- .HIGH PERFORMACE / LOW COST
- .SHORT CIRCUIT PROTECTION
- .OVER CURRENT PROTECTION
- .FREE AIR CONVECTION
- .100% BURN-IN TEST
- .1 YEAR WARRANTY

MODEL / SPECIFICATION	SKE10B-05	SKE10B-12	SKE10B-15	SKE10B-24
DC OUTPUT VOLTAGE	5V	12V	15V	24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	2000mA	840mA	666mA	420mA
OUTPUT CURRENT RANGE	200-2000mA	84-840mA	66.6-666mA	42-420mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	10W	10W	10W	10W
EFFICIENCY	79%	83%	83%	84%
SWITCHING FREQUENCY	250KHz (TYPICAL)			
INPUT VOLTAGE RANGE	18~36VDC			
INPUT CURRENT	0.53A/24VDC; 16mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINOUS			
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1K VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:100M Ohms MIN. @ 500VDC			
TRANSIENT RESPONSE	<250u sec. FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2"*1"*0.44"			
WEIGHT	32g			
CASE METERIAL	SIX-SIDED SHIELD OF METAL CASE			

MECHANISM AND PIN CONFIGURATION



Pin no.	Output
1	+Vin
2	-Vin
3	+Vout
4	N.P.
5	-Vout

NOTE :
1. ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

2002-06-24